

## ABSTRACT OF THE DISCLOSURE

A method of generating neural crest stem cells involves inducing neuroepithelial stem cells to differentiate in vitro into neural crest stem cells. Differentiation can be induced by replating the cells on laminin, withdrawing mitogens, or adding dorsalizing agents to the growth medium.

- 5 Derivatives of the peripheral nervous system can be generated by inducing the neural crest stem cells to differentiate in vitro.

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